Volume 38 Author Index

Ardekani, S.A., 333
Astakhov, A., 223
Ausubel, J.H., 333

Balzhiser, R.E., 349
Bezdek, R.H., 375
Bhargava, S.C., 323

Changgeng, L., 293
Chen, K., 363
Coates, J.F., 101, 201, 307, 409

Donghua, Z., 293

Ervin, R.D., 363

Georgantzas, N.C., 81
Gillwald, K., 187
Gordon, T.J., 111
Grübler, A., 223

Helm, J.L., 265
Herman, R., 333

Jones, J.D., 375

Laetz, T.J., 287
Lehtilä, A., 135

Madu, C.N., 81
Martino, J.P., 207
Maruyama, M., 97
Masini, E.B., 187
Mitroff, I.I., 1, 117
Montrey, H., 15
Mookhin, A., 223

Nutt, P.C., 159

Pauchant, T.C., 117
Petersen, H.J.S., 37
Prasad, A.V.S., 151

Reddy, N.M., 49

Sahni, V., 323
Schelling, T.C., 257
Schneider, S.H., 265
Sharma, K., 107, 415
Silvennoinen, P., 135
Soedjatmoko, 313
Somasekhara, N., 151
Srivastava, P.K., 323

Tingyan, X., 175

Udwadia, F.E., 65
Utterback, J.M., 15

Varma, V.S., 323
Vira, J., 135

Waema, T.M., 393
Walsham, G., 393
Weinberg, A.M., 211

Yuxiang, C., 293

Volume 38 Book Review Index

Chicken, J.C., and Hayns, M.R., *The Risk Ranking Technique in Decision Making*, 415
Crow, M., Bozeman, B., Meyer, W., and Shangraw, R., Jr., *Synthetic Fuel Technology Development in the United States: A Retrospective Assessment*, 107
Miser, H.J., and Quade, E., eds., *Handbook of Systems Analysis: Craft Issues and Procedural Choices*, 207

Volume 38 Subject Index

America
  darkening future of democracy in, 101
Analytic hierarchy process
  for choice of technologies, 151

Bank, developing country
  information systems strategy formation in, 393
Belief network
  for forecasting within the electricity sector, 135

Chaos and fractals
  as new tools for technological and social forecasting, 323
Chaotic world
  managing paradox in, 117
China
  applications of the Delphi method in, 293
CO_2
  what to do about, 265
Coal gas technology in Denmark
  diffusion of, 1850–1920, 37
Coal-mining industry in the USSR
  technology diffusion in, 223
Cognitive processes
  in technology management and transfer, 81
Commerce in the systems age
  or the idea of corporation as an idea system, 1
Corporation as an idea system, the idea of the
  or commerce in the systems age, 1
Creativity and innovation in organizations
  two models and mangerial implications of, 65
Crisis management
  or managing paradox in a chaotic world, 117

Debt problems, international
  noneconomic philosophies as a cause of, 97
Decision debacles, preventing, 159
Defining the traffic congestion problem, 287
Delphi method in China
  applications of, 293
Dematerialization, 333
Democracy in America
  darkening future of, 101
Denmark, 1850–1920
  diffusion of coal gas technology in, 37
Developing country bank
  information systems strategy formation in, 393
Diffusion of coal gas technology
  in Denmark, 1850–1920, 37
Diffusion of technology
  in the coal-mining industry in the USSR, 223

Economic growth, technological change, and employment requirements
  for scientists and engineers, 375
Electricity sector
  a belief network for forecasting within, 135
Employment requirements, economic growth, and technological change
  for scientists and engineers, 375
Energy in retrospect
  or is the past prologue? 211
Engineers and scientists
  economic growth, technological change, and employment requirements for, 375
Environmental forces, global, 257

Forecasting within the electricity sector
  a belief network for, 135
Forecasting, social
  new tools for technological and, 323
Forecasts, trend
  a combined growth model for, 175
From my perspective [column], 101, 201, 307, 409
Future, a darkening
  of Democracy in America, 101
Future of structural panels in the wood products industry
  current status and, 15
Future of war, 201
Futures studies and their societal context
  with focus on West Germany, 187

Global environmental forces, 257
Growth model for trend forecasts, a combined, 175

Hierarchy process, analytic
  for choice of technologies, 151
Highway–vehicle systems, intelligent
  U.S. activities and policy issues in, 363

Idea of the corporation as an idea system
  or commerce in the systems age, 1
Idea system
  the idea of the corporation as an, 1
Industry in the USSR
  technology diffusion in coal-mining, 223
Industry, wood products
  current status and future of structural panels in, 15
Inevitable question, the, 409
Information systems strategy formation
  in a developing country bank, 393
Innovation and creativity in organizations
  two models and implications of, 65
International debt problems
  noneconomic philosophies as a cause of, 97

Management and transfer of technology
  cognitive processes in, 81
Management, crisis
  or managing paradox in a chaotic world, 117
Managerial implications and two models
  of creativity and innovation in organizations, 65
Millenium Project
  an outline and request for comments on, 111
Mining by coal industry in the USSR
  technology diffusion in, 223
Money, noneconomic philosophies of
  as a cause of international debt problems, 97

Network, a belief
  for forecasting within the electricity sector, 135
Noneconomic philosophies of money
  as a cause of international debt problems, 97

Organizations, creativity and innovation in
two models and managerial implications of, 65

Perceptions and predictions
in defining the traffic congestion problem, 287
Philosophies of money, noneconomic
as a cause of international debt problems, 97
Policy issues and U.S. activities
in intelligent vehicle–highway systems, 363
Policy options for the 1990s
toward a world development strategy based on growth, sustainability, and solidarity, 313
Policy, technology, a paradox of
in product self-regulation, 49
Power plants
meeting the near-term challenge for, 349
Predictions and perceptions
in defining the traffic congestion problem, 287
Process, the analytic hierarchy
for choice technologies, 151
Processes, cognitive
in technology management and transfer, 81
Product self-regulation
as a paradox of technology policy, 49
Products industry, wood
current status and future of structural panels in, 15

Scientists and engineers
economic growth, technological change, and employment requirements for, 375
Self-regulation, product
as a paradox of technology policy, 49
Societal context of futures studies
with focus on West Germany, 187
Social and technological forecasting
new tools for, 323
Structural panels in the wood products industry
current status and future of, 15
System, idea
the idea of the corporation as an, 1
Systems age
commerce in the, 1
Systems, information
in a developing bank, strategy formation, 393
Systems, intelligent vehicle–highway
U.S. activities and policy issues in, 363

Technological and social forecasting
new tools for, 323
Technological change, economic growth, and employment requirements
for scientists and engineeers, 375
Technologies
analytic hierarchy process for choice of, 151
Technology in Denmark, 1850–1920
diffusion of coal gas, 37
Technology diffusion
in the coal-mining industry in the USSR, 223
Technology management and transfer
cognitive processes in, 81
Technology policy, a paradox of
in product self-regulation, 49
Traffic congestion problem, defining the, 287

U.S. activities and policy issues
in intelligent vehicle–highway systems, 373
USSR, the coal-mining industry in
technology diffusion in, 223

Vehicle–highway systems, intelligent
U.S. activities and policy issues in, 363

War, the future of, 201
West Germany
futures studies and their societal context with focus on, 187
Wood products industry
current status and future of structural panels in, 15
World development strategy based on growth, sustainability, and solidarity
as a policy option for the 1990s, 313